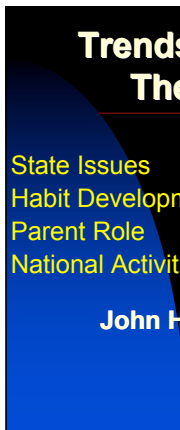




**Welcome To
Annual Montana
Traffic Ed. Conference**

April 22, 2007
Great Falls, MT

1

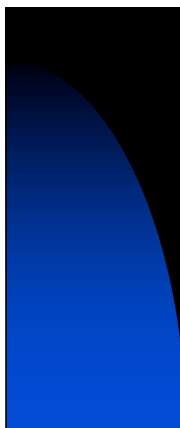


**Trends in Driver Education
The Next Generation**

State Issues
Habit Development
Parent Role
National Activities that Support Driver Education

**John Harvey, Program Manager
Driver Education
ODOT-TSD**

2



Special Thanks

- MT DE Influencers
- David Huff
- Jim Carroll
- Harold Lair
- Susan Carney
- Debbie Cottonware
- MTDTSEA Association Officers and Executive Board
- MTDTSEA Members

Mark V. Rosenker, Chairman, NTSB
April 1, 2006 to the Chicago Tribune

- "NTSB is very concerned about the current DE curriculum. We believe it does not adequately prepare novice drivers for driving in today's traffic and must be revised."

Mark V. Rosenker, Chairman, NTSB
April 1, 2006 to the Chicago Tribune

- "Get involve to save the lives of our teens. I mean everyone from Feds, state and local officials to parents, guardians, teachers, mentors, teens and their friends"

State Issues and Concerns for Driver Education in the 21st Century

- Lack of standards for driver education
 - ◆ Driver behavior curriculum
 - ◆ Teacher Competencies
- Lack of research to support improvements in driver education
- Lack of state supervision and leadership
- Lack of funding to support quality driver education

Driver Education The Next Generation

Revisit
Reflect
Revive
Rekindle
Reinvent
Renew
Rejuvenate
Reawaken
Restructure

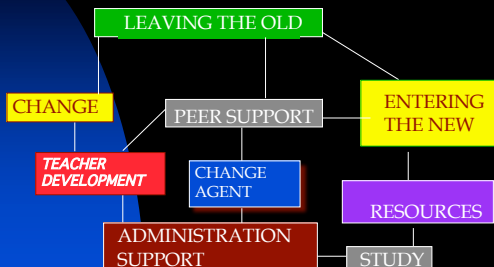


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**“Our job is to change the
culture of what it means to
be a teen driver.”**

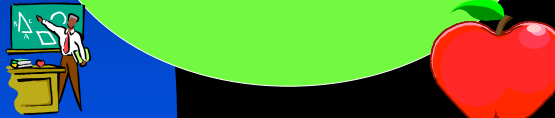
8

CHANGE PROCESS



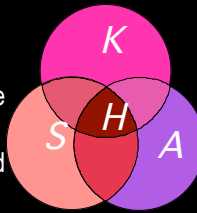
Changing students depends to a large extent on changing teachers.

If teachers continue to do the same old things, it is unlikely that student performance will improve



Habit Development

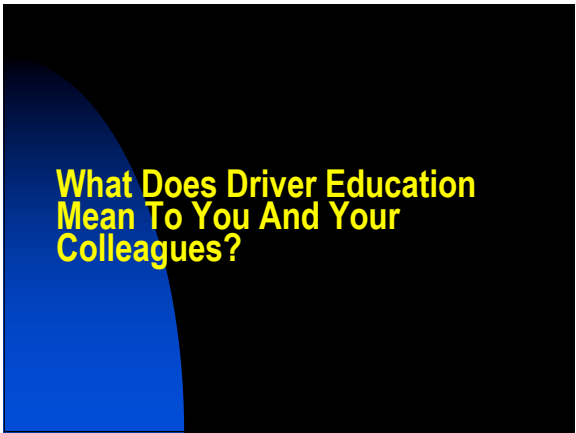
- Knowledge: what to do and why
- Skill: how to do
- Attitude: desire or want to do
- $K+A+S=\text{Habit}$
 - ◆ Pattern of Behavior Can Be Learned or Unlearned
 - ◆ Requires Time, Energy and Commitment



For Positive Habit Development to Occur

- ◆ Know what it is that you are to do.
- ◆ Demonstrate that you are capable of doing it.
- ◆ Overcome internal resistance by taming the monster of bad habit.
- ◆ Be able to know when it is correctly or incorrectly performed.
- ◆ Practice doing it correctly.
- ◆ Do it without thought correctly.







What Are The State's Safety Goals And Objectives Relating to Driver Education?

Montana Driver Education Goal

Performance Plan



Standardize Driver Education as an Effective Teen Crash Countermeasure

17

Inexperience

Reduce the representation of inexperienced youth drivers involved in crashes.

- **Driver Education**
Driver Risk Prevention
DE Teacher Training/
Competencies
- **Graduated Licensing**
- **Parent Guided Practice**

Merge of Licensing and Training Efforts is Priority...



The reliability, accountability, responsibility, and valuing of life-long learning processes should still remain the highest priorities in resolving the issues surrounding driver education, training, and licensing. **Dr. Terry Kline**

What are the Top 5 contributing factors in MT teen crashes?

- Speeding
- Traveling on wrong side of road-
curves or grades-67%
- Inattentive driving-Following too
close
- Lack of Safety Belts 87%
- Pickup trucks/SUVs
- Road condition- icy/slushy
conditions

What are the MT Driver Behavior and Awareness-Strategies?

- Enhance Driver Education
 - ◆ Determine the effectiveness of existing school programs
 - ◆ Standardize curriculum for classroom and behind the wheel
 - ◆ Update instructor preparation and continuing education programs
 - ◆ Promote Parent Involvement

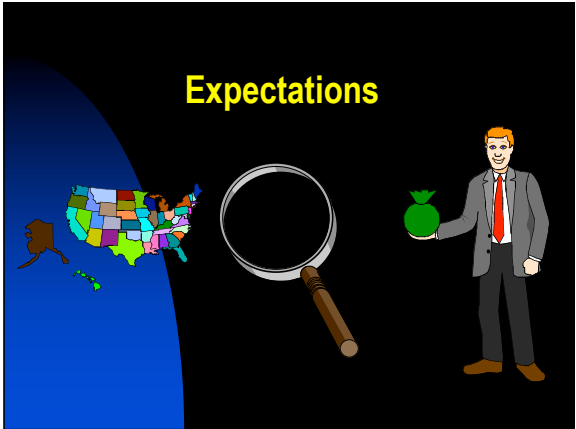
Oregon Transportation Safety Action Plan-20 Yr. Plan

- Require DE
- Increase permit fees
- 2015 require DE for all new drivers
- Establish new standards for DE
- Define a model driver
- Standards for instruction preparation
- Establish licensing and training standards
- Same standards for all DE programs
- Oversight & Management standards
- Commitment to improve driver performance

DRIVER EDUCATION

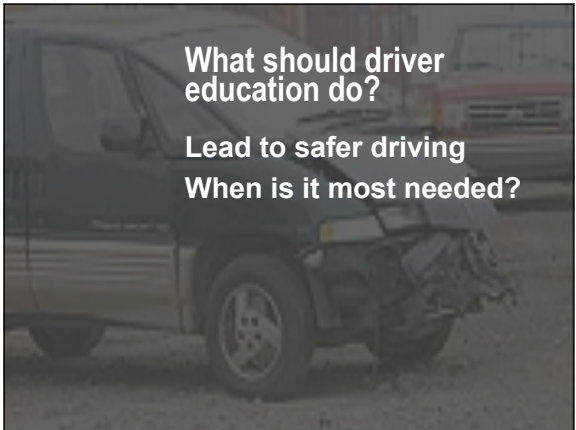
DRIVER EDUCATION

What should driver
education do?

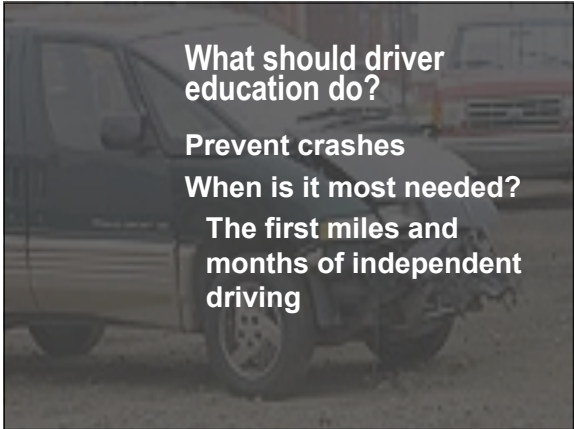




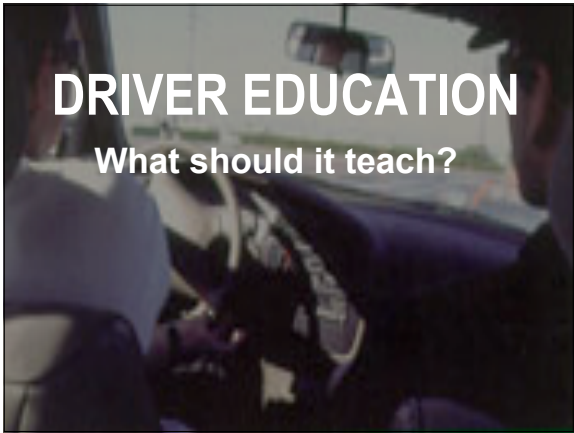
What should driver
education do?
Lead to safer driving



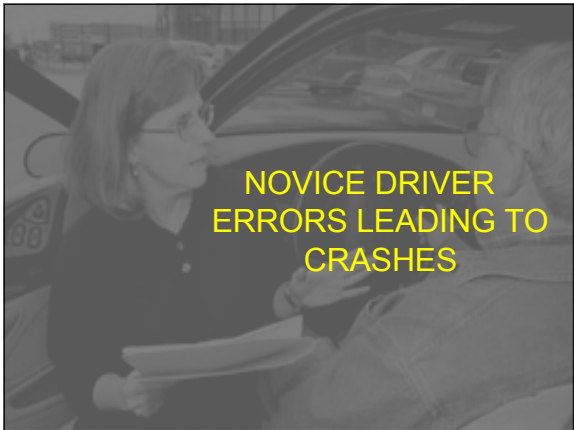
What should driver
education do?
Lead to safer driving
When is it most needed?



What should driver education do?
Prevent crashes
When is it most needed?
The first miles and months of independent driving



DRIVER EDUCATION
What should it teach?



**NOVICE DRIVER
ERRORS LEADING TO
CRASHES**

16-17 Year Olds Deficiencies in Specific
Driving Behaviors that Cause Crashes
(McKnight 2002)

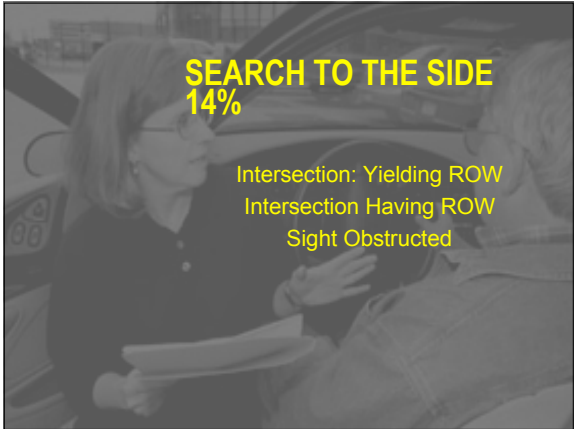
- 1) Attention-23%
- 2) Adjusting Speed-20.8%
- 3) Search Ahead-19.1%
- 4) Search To The Side-14.2%
- 5) Maintaining Space-9.8%
- 6) Tie-Search to Rear/Emergencies
9.4%

ATTENTION 23%

Maintaining Attention
Avoiding Distractions
Attention Sharing

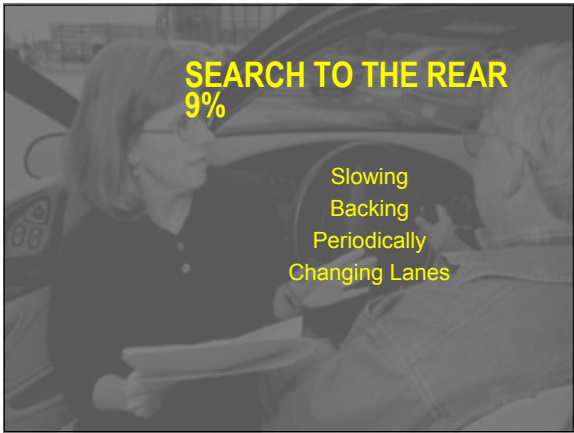
SEARCH AHEAD 20%

Distance
Roadsides
Before Left Turn
Vehicle Ahead
Left – Turning Vehicle
Next Lane



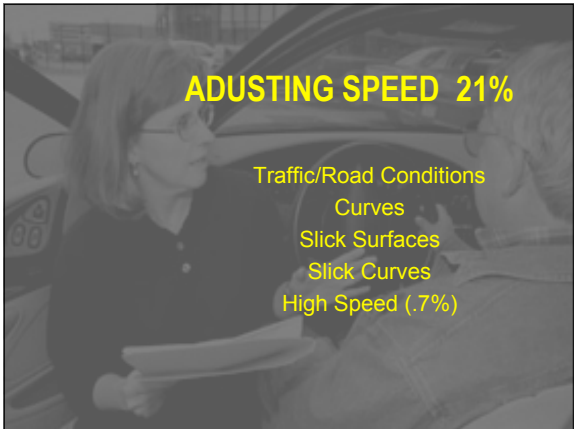
SEARCH TO THE SIDE
14%

Intersection: Yielding ROW
Intersection Having ROW
Sight Obstructed



SEARCH TO THE REAR
9%

Slowing
Backing
Periodically
Changing Lanes



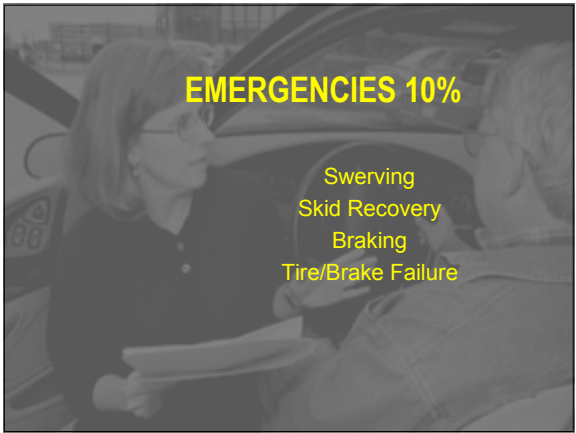
ADJUSTING SPEED 21%

Traffic/Road Conditions
Curves
Slick Surfaces
Slick Curves
High Speed (.7%)



MAINTAINING SPACE 10%

- Following Distance
- Crossing/Entering
- Side Clearance
- Overtaking



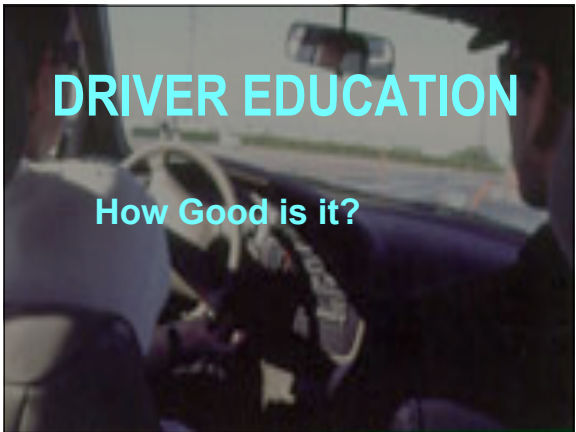
EMERGENCIES 10%

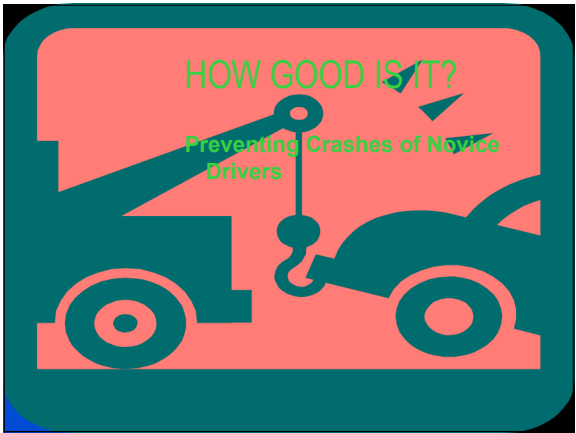
- Swerving
- Skid Recovery
- Braking
- Tire/Brake Failure

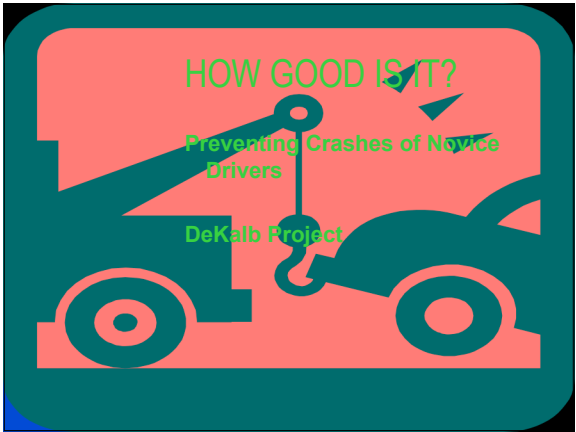


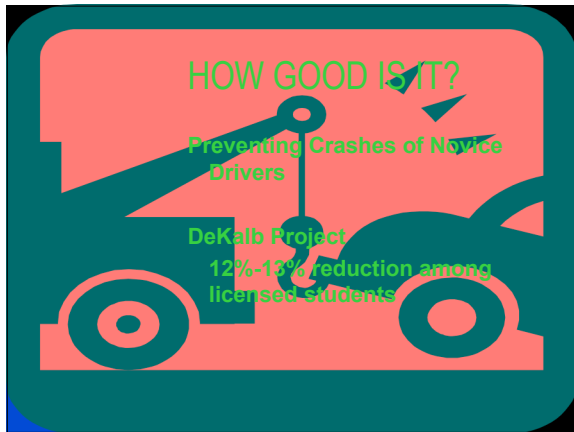
OTHERS

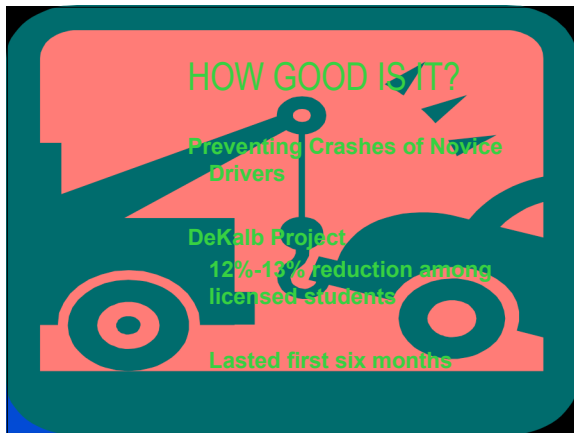
- Car control 8%
- Traffic controls 6%
- Driver/Vehicle condition 6%
- Signaling 1%





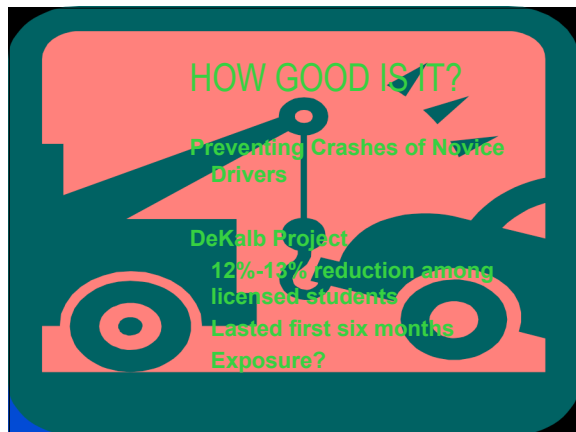


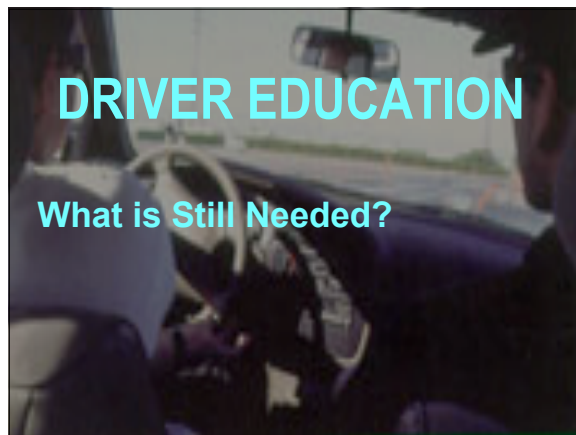


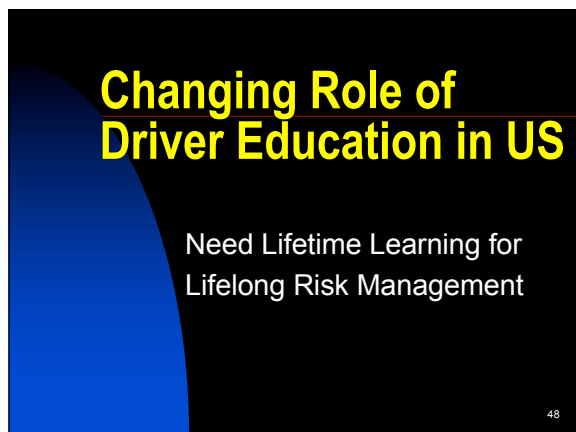


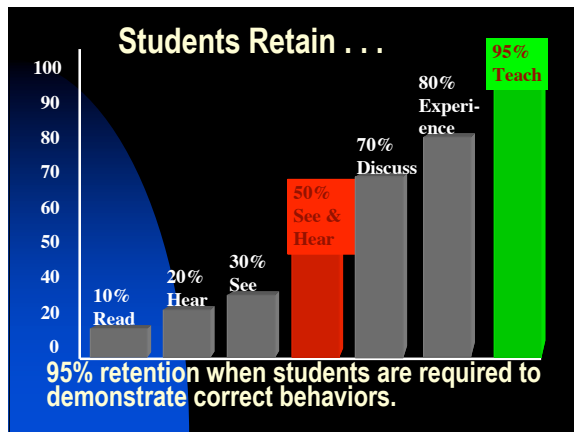
OREGON GDL- NHTSA Study

- The crash rate for the teens taking formal DE was 11-21% lower than those taking the 100 hour parent program
- The traffic conviction rate for teens taking formal DE was 39-57% lower than those taking the 100 parent program.
- The driver license suspension rate for teens taking DE was 51-53% lower than the parent program









- ### Changing Role of the Learner
- Classroom and simulations should prepare the student to have in-vehicle session success.
 - The student will be responsible for his/her correct driving behavior usage.
 - When the student attends the in-vehicle session, he/she will be expected to demonstrate the correct behavior.
 - Brain research reveals that long term memory takes place when the learner is required to teach someone a newly learned behavior.





CLASSROOM

Highly Visual Instructions

Present Common Problems

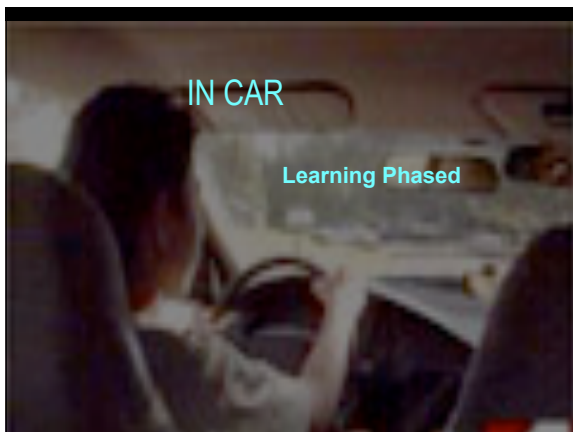


CLASSROOM

Highly Visual Instruction

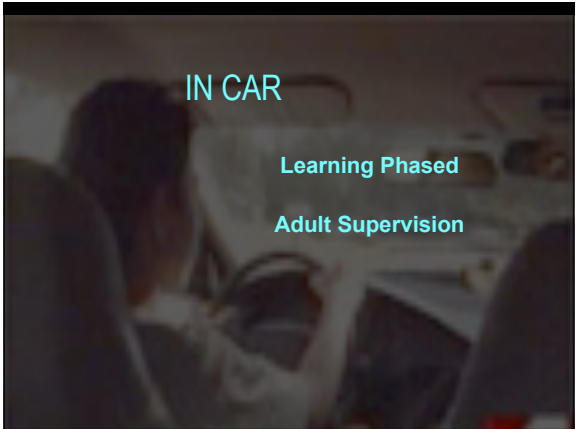
Present Common Problems

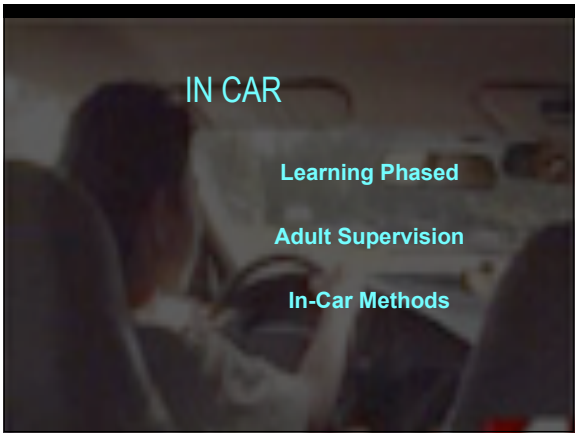
Student-Instructor Interaction

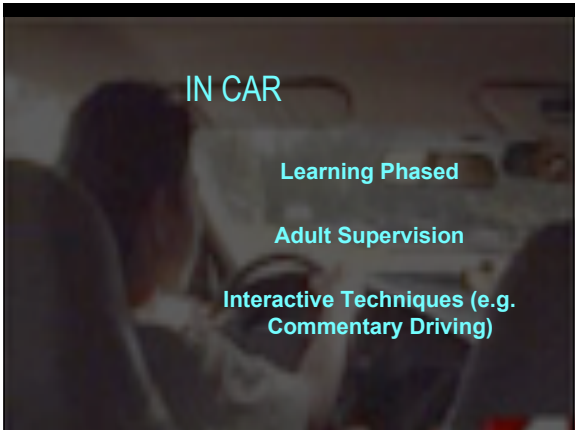


IN CAR

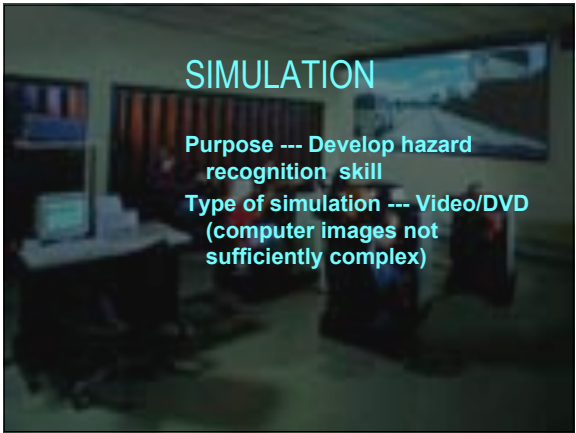
Learning Phased

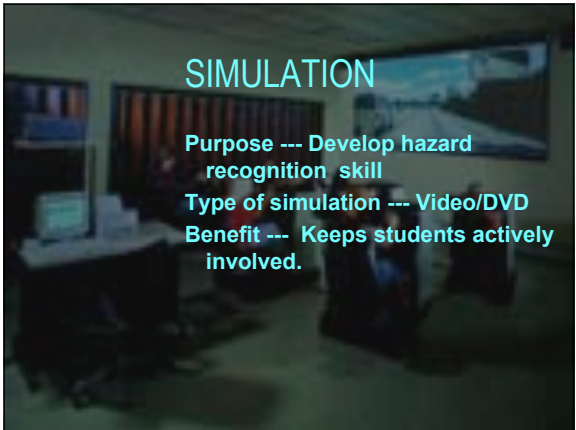




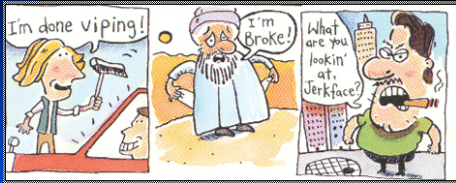








GUESS THE CAR !



What Are Your School's Driver Education Goals and Objectives?

The Parents

63

Parents

- ✦ Believe A Driver License Verifies Their Teen is a “Safe” and “Skilled” Driver
- ✦ Are Shocked at The World of Teen Driving
- ✦ Don’t Understand What Behaviors Characterize the Low-risk Driver
- ✦ Don’t Have the Tools They Need to Grow a Low-risk Driver

Parents Need To...

- ✦ Be Educated
 - ✦ about the risks of teen driving
 - ✦ about the defining behaviors of a low-risk driving style
- ✦ Be Engaged
 - ✦ Throughout and following TSE
- ✦ Be Activated
 - ✦ With the necessary tools
- ✦ Provide Specific Guided Practice
- ✦ Require Student Accountability

Helping parents to grow up low risk drivers takes...

- ✦ Cultivated Partnerships
 - Teen/Parent/Program
- ✦ Systems of Accountability
- ✦ Increased Awareness of
 - ✦ High-risk Perceptions & Actions
 - ✦ Low-risk Behavioral Patterns
- ✦ Investments of Time, Talent and Resources

Driver Must Perform Risk-Prevention Behaviors

- Automatic Processing of Information
- Four Levels of Performance
- We Learn On Conscious Level
- Need Effective Habits
- Habits Heighten Consciousness
- Specific Behavioral Patterns

**Bad Habits are
acquired by chance;
Good Habits result
from deliberate
practice**

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National DE Supportive Activities

- 9/05 NTSB Final Report
- 9/05 GHSA Support DE as Policy for GDL
- 10/05 Allstate Foundation Report-Chronic
- 12/05 AASHTO Teen Driver Crash Solution
- 11/05 NHTSA-Safety-Lu Support DE Research
- European Conference of Ministry of Transport-DE Report
- 10/05ADTSEA Grant from NHTSA

National DE Supportive Activities

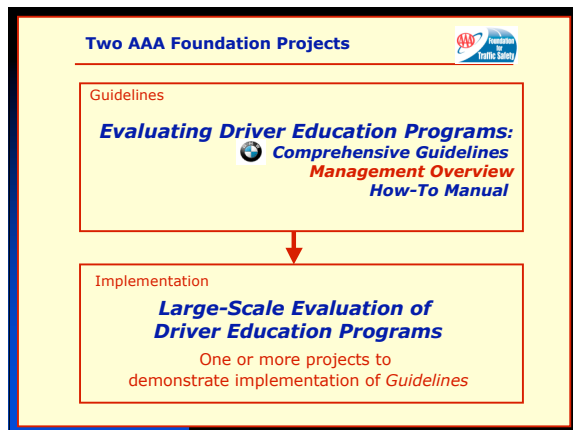
- 1/06 AAA Report Support DE I and II
- 1/06 TRB MID Year Report Supporting Research for DE
- 3/06 NHTSA develops draft DE guidelines for Highway Safety Offices- Out June/July
- 3/06 NHTSA Program D/D
- 5/06 National Academy of Sciences Teen Mtg
- 7/06 AAA Foundation –Evaluation Guidelines
- 6/06 CDC Roundtable of Teen Drivers

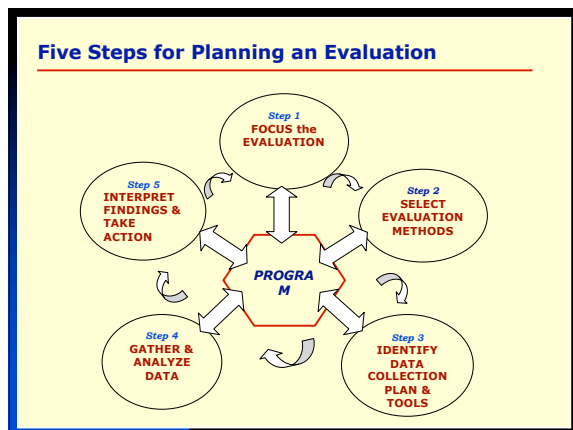
National DE Supportive Activities

- 1/07- AAA Report Supporting GDL Elements
- 2/07- National Research Symposium on Teen and GDL
- 2/07-DE Growth, Decline and Future- ppt.
- 2/07-Federal Registered Publication on DE Guidelines
- 2/07-AAA Foundation moves forward on DE
- 3/07-AAAMVA Reports on Model manual, drive and written test
- CHOP/State Farm Partnership on Teen Driving

National DE Supportive Activities

- Allstate Foundation Under Your Influence Protect
- Liberty Mutual/SADD Report
- NHTSA Funding
 - ◆ AAAMVA Driver Manual Model-Testing in SC
 - ◆ Next Generation of Driver Education –PIRE
 - ◆ Driver Edge
 - ◆ Federal Guidelines
 - ◆ Administrator Priority-Nicole Nason
 - ◆ ADTSEA – University and State Supervisors





The Future: Bridging the Great Divide

- Practitioners & managers “believe in” driver ed
- Researchers typically believe “driver ed doesn’t work”

“For more effective driver education in the future, key people in both camps must work together toward improving evaluation and using evaluation tools to improve driver education.” *Management Overview p.15*

Driver Education Future

- Data driven standards and
 - ◆ More research
- Singing from the same page.
- Transparent decision process, but,
 - ◆ with one-way gates.
- We have not served parents and teens as
 - ◆ well as we could have.
- It's all about the kids.





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